

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

## PCT

To:

AWAPATENT A/S  
Teglholm Allé 13  
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Modtaget den  
- 8 DEC. 2005  
Awapatent A/S

NOTIFICATION OF TRANSMITTAL OF  
THE INTERNATIONAL PRELIMINARY  
REPORT ON PATENTABILITY  
(PCT Rule 71.1)

Date of mailing  
(day/month/year) 06.12.2005

Applicant's or agent's file reference  
99000536/CHE

### IMPORTANT NOTIFICATION

International application No.  
PCT/IB 03/03868

International filing date (day/month/year)  
10.09.2003

Priority date (day/month/year)  
10.09.2003

Applicant  
NOKIA CORPORATION et al.

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary report on patentability and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.
4. **REMINDER**

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

The applicant's attention is drawn to Article 33(5), which provides that the criteria of novelty, inventive step and industrial applicability described in Article 33(2) to (4) merely serve the purposes of international preliminary examination and that "any Contracting State may apply additional or different criteria for the purposes of deciding whether, in that State, the claimed inventions is patentable or not" (see also Article 27(5)). Such additional criteria may relate, for example, to exemptions from patentability, requirements for enabling disclosure, clarity and support for the claims.

Name and mailing address of the international preliminary examining authority:



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# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

|  |   |  |                      |
|--|---|--|----------------------|
| Applicant's or agent's file reference<br>99000536/CHE  | <b>FOR FURTHER ACTION</b>   |  | See Form PCT/PEA/416 |
| International application No.<br>PCT/IB 03/03868   | International filing date ( <i>day/month/year</i> )<br>10.09.2003 | Priority date ( <i>day/month/year</i> )<br>10.09.2003                    |                      |
| International Patent Classification (IPC) or national classification and IPC<br>H04L29/08  |   |  |                      |
| Applicant<br>NOKIA CORPORATION et al.  |   |  |                      |
| <p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of 5 sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input type="checkbox"/> <i>sent to the applicant and to the International Bureau</i> a total of sheets, as follows:</p> <p><input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p>b. <input type="checkbox"/> (<i>sent to the International Bureau only</i>) a total of (indicate type and number of electronic carrier(s)) , containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p> |   |  |                      |
| <p>4. This report contains indications relating to the following items:</p> <p><input checked="" type="checkbox"/> Box No. I Basis of the opinion</p> <p><input type="checkbox"/> Box No. II Priority</p> <p><input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p><input type="checkbox"/> Box No. IV Lack of unity of invention</p> <p><input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p><input type="checkbox"/> Box No. VI Certain documents cited</p> <p><input type="checkbox"/> Box No. VII Certain defects in the international application</p> <p><input checked="" type="checkbox"/> Box No. VIII Certain observations on the international application</p>  |   |  |                      |
| Date of submission of the demand<br><br>18.03.2005   |   | Date of completion of this report<br><br>06.12.2005                      |                      |
| Name and mailing address of the international preliminary examining authority:<br> European Patent Office<br>D-80298 Munich<br>Tel. +49 89 2399 - 0 Tx: 523656 epmu d<br>Fax: +49 89 2399 - 4465  |   | Authorized Officer<br><br>Huber, O<br><br>Telephone No. +49 89 2399-8967 |                      |



**INTERNATIONAL PRELIMINARY REPORT  
ON PATENTABILITY**

International application No.  
PCT/IB 03/03868

1A2006

2006

**Box No. I Basis of the report**

1. With regard to the **language**, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
  - ☐ This report is based on translations from the original language into the following language , which is the language of a translation furnished for the purposes of:
    - ☐ international search (under Rules 12.3 and 23.1(b))
    - ☐ publication of the international application (under Rule 12.4)
    - ☐ international preliminary examination (under Rules 55.2 and/or 55.3)
2. With regard to the **elements\*** of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):*

**Description, Pages**

1-24 as published

**Claims, Numbers**

1-27 as published

**Drawings, Sheets**

1/4-4/4 as published

- ☐ a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing
3. ☐ The amendments have resulted in the cancellation of:
    - ☐ the description, pages
    - ☐ the claims, Nos.
    - ☐ the drawings, sheets/figs
    - ☐ the sequence listing *(specify)*:
    - ☐ any table(s) related to sequence listing *(specify)*:
  4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
    - ☐ the description, pages
    - ☐ the claims, Nos.
    - ☐ the drawings, sheets/figs
    - ☐ the sequence listing *(specify)*:
    - ☐ any table(s) related to sequence listing *(specify)*:

\* If item 4 applies, some or all of these sheets may be marked "superseded."

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**Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

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1. Statement

|                               |             |      |
|-------------------------------|-------------|------|
| Novelty (N)                   | Yes: Claims |      |
|                               | No: Claims  | 1-27 |
| Inventive step (IS)           | Yes: Claims |      |
|                               | No: Claims  | 1-27 |
| Industrial applicability (IA) | Yes: Claims | 1-27 |
|                               | No: Claims  |      |

2. Citations and explanations (Rule 70.7):

**see separate sheet**

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**Box No. VIII Certain observations on the international application**

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The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

**see separate sheet**

**INTERNATIONAL PRELIMINARY  
REPORT ON PATENTABILITY  
(SEPARATE SHEET)**

International application No.

PCT/IB 03/03868

APPROVED FOR PUBLICATION 2006

**Re Item V**

**Reasoned statement with regard to novelty, inventive step or industrial applicability;  
citations and explanations supporting such statement**

Reference is made to the following documents:

D1: US-B1-6 219 697 (LING SALIM ET AL) 17 April 2001 (2001-04-17)

D2: US-A-6 122 287 (LOEBBERT ACHIM ET AL) 19 September 2000 (2000-09-19)

1. The present application does not seem to meet the criteria of Article 33(1) PCT, because the subject-matter of claim 1 is not new in the sense of Article 33(2) PCT.

The document D1 discloses (the references in parentheses applying to this document):

A system for providing data communication between modules connected through port connectors (column 1, lines 21-22: "interconnects ... modules"), wherein said modules are adapted to communicate a data package (fig. 7c) comprising in a layered structure a physical layer (column 1, lines 57-67) comprising a first and second segment for encapsulating other layers in said package (fig. 7c, "CPH", "IP packet"), a data link layer comprising a first header with a payload type (fig. 7c: "protocol\_type" and column 17, lines 19-29) and a second header field for a data link layer version (fig. 7c, "pn-version"), and a network/transport layer comprising a third header for a transmitting modules address (fig. 7c, ip\_source\_address), a fourth header field for a length of said data package (fig. 7c, ip\_total\_length) and data payload (fig. 7c ip\_data).

Although the description provides the possibility that the "payload type" is in the payload part of the link layer frame (page 15, lines 18-21), which is different to D1, where the "protocol type" is in the (modified) IEEE 1394 header, this feature is not in claim 1 or any dependent claim.

2. The same reasoning applies, mutatis mutandis, to the subject-matter of the corresponding independent claims 18 and 24-27 which therefore are also considered not new.

**INTERNATIONAL PRELIMINARY  
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(SEPARATE SHEET)**

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3. Dependent claims 2-17 and 19-23 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty, see document D1 and the corresponding passages cited in the search report.

**Re Item VIII**

Independent Claims 1, 18 and 24-27 are not clear (Article 6 PCT), because it is not defined how the "first and second segments" are limited from each other, i.e. which fields are in which segments. Furthermore, to define segments alone does not provide a technical effect.

Further it is unclear if the "transmitting module's address" is the source or destination address.

The "length of said data package" seems to include all the layer headers in the total length. It is not clear how this information would be provided in the network layer as layers usually give information about layers above and not below.